

What is claimed is:

1. For integration with a vehicle passive audio-tape cassette deck <sup>with</sup> playback system having power, play, rewind and forward controls operable, in a play mode, to reproduce signals stored on a pre-recorded tape in audio form in a vehicle loudspeaker by scanning the tape forwardly <sup>by</sup> past a playback head connected to playback amplifiers driving the loudspeaker, apparatus for rendering the system capable of <sup>one of</sup> active dictation recording use on a tape and simultaneous transmission to a remote location, <sup>and</sup> [or] later transmission upon rewind and playing of the [recorded] tape, via a cellular radio telephone transmitter system also carried by the vehicle, said apparatus having, in combination, auxiliary <sup>integrated with the said deck as part thereof and</sup> apparatus comprising a microphone, audio amplifying means and a recording head cooperative with the tape for enabling the driver, upon actuation of a recording dictation mode, to dictate in the vehicle <sup>integrated</sup> into the microphone <sup>without external connection</sup> and record such on the tape; programmable control means cooperative with the said auxiliary apparatus and with the modulator of said cellular radio telephone transmitter system for

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42 etc. 11-  
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switching said audio amplifying means, upon said actuation of the recording dictation mode, to energize said recording head to record the dictation on said tape and, after operation of said rewind control, to playback the same as recorded on the tape through <sup>at least one</sup> [one or both] of two paths: one, through said playback amplifiers for driver listening through said vehicle loudspeaker, and secondly, for directly modulating the cellular radio transmitter modulator to transmit to a remote location; said programmable control means further having means, operable upon actuation of said recording dictation mode, for <sup>electrically</sup> connecting said audio-amplifying means to said modulator, to transmit the dictation via the cellular radio telephone transmitter in real time during said dictation, selectively with [or without] simultaneous energizing of said recording head to record the dictation on said tape.

2. Apparatus as claimed in claim 1 and in which <sup>27</sup> ~~the~~ the modulating [of said modulator] by the audio amplifying means connected with the microphone is controlled by voice [on/off] switching.
3. Apparatus as claimed in claim 1 and in which

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C ✓  
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As said and explained  
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- playback system
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to the said audio amplifying means to effect recording and to the said modulator to effect the transmission to a remote location.

8. A method of expanding the functionality of a vehicle player tape deck to permit <sup>directionally</sup> dictation by the driver, that comprises, <sup>intelligibly</sup> adding microphone and recording amplifying components to the player tape deck to record dictation on the tape; and automatically ~~enabling~~ <sup>enabling</sup> transmission of the dictation [sounds] over an adjacent cellular radio telephone system [on or more] [in less than] all selectively in ~~each~~ <sup>one or more</sup> of the following option modes: in real time during dictation and simultaneous <sup>duration</sup> recording; in real time without recording; and at a selected time after dictation recording by playback.

9. A method as claimed in claim 8 and in which the [driver on-off] dictation recording is <sup>selected</sup> [controlled] in response to [the presence of] voice sound only.

10. A method as claimed in claim 8 and in which radio broadcast reception in the vehicle is also similarly recordable and automatically transmitted over said cellular radio telephone system <sup>the same said</sup> with selectivity of each of said option modes.

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A method as claimed in claim 8 under which the said transmission is selectively enabled in <sup>all</sup> each of said option modes.

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Refer to in art C

[on or more]

Refer to in art B

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B  
Refer to by per 20 Feb 74

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B  
B  
B

O/K

B

Added B' 1 1

Refer to in art A